

20030503.qrp v02_n909.qrl.20030503

Date: Sat, 3 May 2003 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2909

QRP-L Digest 2909

Topics covered in this issue include:

- 1) [149871] Re: names of decimals between micro, pico and nano?
by Mike Czuhajewski <wa8mcq@comcast.net>
- 2) [149872] Re: AT Sprint arrived!
by Lloyd Lachow <llachow@yahoo.com>
- 3) [149873] Re: A Simple and Flexible Tuner for QRP
by Craig LaBarge <labargec@comcast.net>
- 4) [149874] Re: PSK-31 Demo
by Dale Botkin <dale@botkin.org>
- 5) [149875] Re: names of decimals between micro, pico and nano?
by "John L. Sielke" <w2agn@w2agn.net>
- 6) [149876] HW-8... Some mods just make you chuckle ...
by VE3JC John Cumming <jbcumming@wwdc.com>
- 7) [149877] Do you know what this is?
by Alex <kr1st@amsat.org>
- 8) [149878] Re: source for small coaxial DC supply connectors
by Jerry Lofstead <w3cde@bellsouth.net>
- 9) [149879] Re: Unobtainium-plated connectors?
by Dave Fouchey <dafouchey@comcast.net>
- 10) [149880] Re: names of decimals between micro, pico and nano?
by psschwarz@kellnet.com
- 11) [149881] teflon coax source
by Roger Traylor <traylor@ece.orst.edu>
- 12) [149882] items FS
by "john gabbard" <johngabbard@usintouch.com>
- 13) [149883] WTB Rainbow Tuner Enclosure
by Nelson Winter <thenels@go.com>
- 14) [149884] WHERE IS
by hamjoel@juno.com
- 15) [149885] THANKS FOR "WHARE HE BEES"
by hamjoel@juno.com
- 16) [149886] Re: teflon coax source
by Bob Nielsen <nielsen@oz.net>
- 17) [149887] Summer FOX Soon
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 18) [149888] FOX Survey Results
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 19) [149889] Shameless Plug... Verticals Article

by Jason Hissong <jhisson1@columbus.rr.com>
20) [149890] Re: Do you know what this is?
by Wayne_W5KDJ <w5kdj@juno.com>
21) [149891] Re: Do you know what this is?
by "Russ Hines" <wb8zcc@one.net>
22) [149892] items FS
by "john gabbard" <johngabbard@usintouch.com>
23) [149893] SMK1 and BLT FS
by "john gabbard" <johngabbard@usintouch.com>
24) [149894] Inv V
by "Donn Kuse" <casey.jay@verizon.net>
25) [149895] Re: WHERE IS
by "William D. Rugg, Jr." <bill.rugg@comcast.net>
26) [149896] Re: HW-8... Some mods just make you chuckle ...
by Al Scanandoah <k2zn@rochester.rr.com>
27) [149897] multiturn potentiometers with 20 turns?
by Andree.Knott@t-online.de (Andree Knott)
28) [149898] Re: Do you know what this is?
by "Bob Tellefsen" <n6wg@earthlink.net>
29) [149899] Call for FOX Volunteers
by "Doc K0EVZ" <dock0evz@earthlink.net>
30) [149900] Re: Summer FOX Soon
by "KXBill" <w7kxb@cox.net>
31) [149901] OT: Butternut HF6V question
by Al Scanandoah <k2zn@rochester.rr.com>
32) [149902] Re: WHERE IS
by Bruce Muscolino <w6toy@erols.com>
33) [149903] Re: AT Sprint arrived!
by "Steve/n0tu" <n0tu@codenet.net>
34) [149904] WTB K1
by "Dave Martin" <k2zu@seanet.com>
35) [149905] Ferrite rod material ?
by Rick McKee <kc8aon@juno.com>
36) [149906] Re: Ferrite rod material ?
by Al Scanandoah <k2zn@rochester.rr.com>
37) [149907] F.S. TenTec Argonaut II
by "Joe W2KJ" <w2kj@bellsouth.net>
38) [149908] mercury whetted relays 12v.dc
by "john gabbard" <johngabbard@usintouch.com>
39) [149909] Sprint AT PCB pic
by "Steve/n0tu" <n0tu@codenet.net>
40) [149910] Re: HW-8... Some mods just make you chuckle ...
by listmember <listmember@comcast.net>

Date: Fri, 02 May 2003 18:34:03 -0400
From: Mike Czuhajewski <wa8mcq@comcast.net>

To: qrp-1@Lehigh.EDU
Cc: Mike Czuhajewski <wa8mcq@comcast.net>
Subject: [149871] Re: names of decimals between micro, pico and nano?
Message-ID: <002501c310fa\$ef2edc80\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

There's a URL where you can find all of the common metric prefixes, from (as humorist Dave Barry would say, I am not making these up) "yotta" which is 10 to the 24th power and "zetta" or 10 to the 21st, all the way down to "zepto" (sounds like one of the lesser known Marx brothers!) for 10 to the negative 21st power and "yocto" for ten to the negative 24th. Here they are--

Prefix, symbol, magnitude (10 to the X power) and size

Yotta-	Y	10*24	1 000 000 000 000 000 000 000 000
Zetta-	Z	10*21	1 000 000 000 000 000 000 000 000
Exa-	E	10*18	1 000 000 000 000 000 000 000
Peta-	P	10*15	1 000 000 000 000 000 000
Tera-	T	10*12	1 000 000 000 000 000
Giga-	G	10*9	1 000 000 000
Mega-	M	10*6	1 000 000
myria-	my	10*4	10 000 (this is now obsolete)
kilo-	k	10*3	1000
hecto-	h	10*2	100
deka-	da	10	10
- - -	-		
deci-	d	10*-1	0.1
centi-	c	10*-2	0.01
milli-	m	10*-3	0.001
micro-	u (mu)	10*-6	0.000 001
nano-	n	10*-9	0.000 000 001
pico-	p	10*-12	0.000 000 000 001
femto-	f	10*-15	0.000 000 000 000 001
atto-	a	10*-18	0.000 000 000 000 000 001
zepto-	z	10*-21	0.000 000 000 000 000 000 001
yocto-	y	10*-24	0.000 000 000 000 000 000 000 001

This info came from here:

<http://www.essex1.com/people/speer/large.html>

In addition to the info above it also contains a bit of interesting data, such as the fact that the mass of the Earth is 5983 Yg (yottagrams), and the mass of a proton is about 1.67 yg (yoctograms). It also admits that when the metric system was devised in the late 1700s there was no particular need for a lot of these prefixes :-)

73 and queue our pea DE WA8MCQ

Date: Fri, 2 May 2003 15:41:17 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149872] Re: AT Sprint arrived!
Message-ID: <20030502224117.96182.qmail@web41011.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

OK, take your time...you have 'til monday evening to get it ready!!

--- Howard Kraus <K2UD@adelphia.net> wrote:
> It's in my hot little greedies right now. Yippee!
> After the happy dance,
> I'll check for all parts and take my time building
> whilst simultaneously
> torturing my eyes.

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Fri, 02 May 2003 18:42:51 -0400
From: Craig LaBarge <labargec@comcast.net>
To: QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [149873] Re: A Simple and Flexible Tuner for QRP
Message-ID: <007201c310fc\$29b7a4d0\$6401a8c0@LABARGE1>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Rick:

Yes, I'm out here! Glad the tuner design was of use to you. Best of luck with it. I still have my original version around here somewhere. It served me well for several years.

73, Craig WB3GCK

Rick McKee KC8AON wrote:

While searching the web for a QRP Tuner project, I came across a very good design by Craig LaBarge, WB3GCK and originally appeared in the June 1996 edition of the Michigan QRP Club newsletter "The Five Watter." Craigs design is a simple LC circuit that is switchable between a basic "L" network for high impedance loads such as a half wave end fed wire, or a series L-C circuit for low impedance loads such as a quarter wave wire. I built one up this evening and just using high and low impedance dummy loads, it looks like it is going to work quite well ! The link below will lead you to it, thought ya'll might want to take a look see !

<<http://www.qsl.net/wb3gck/tuner.htm>>

And Craig, if you're out there - THANKS !

Date: Fri, 2 May 2003 17:52:28 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149874] Re: PSK-31 Demo
Message-ID: <Pine.LNX.4.33.0305021750360.15037-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 2 May 2003, Karl F. Larsen wrote:

> Hi Gang, I'm going to give a demo of how PSK-31 works and mostly
> explain what it takes to get it running. As those of us who use this
> mode know, the "Interface Unit" is the whole game.

Yeah, that's why I was extra careful in selecting the cables that make up my entire "interfce unit"...

<http://www.botkin.org/dale/psk31.htm>

72,
Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.

Date: Fri, 02 May 2003 18:57:30 -0400
From: "John L. Sielke" <w2agn@w2agn.net>
To: qrp-1@Lehigh.EDU
Subject: [149875] Re: names of decimals between micro, pico and nano?
Message-ID: <3EB2F7DA.3020205@w2agn.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

milli- 1000⁻¹
micro- 1000⁻²
nano- 1000⁻³
pico- 1000⁻⁴
femto- 1000⁻⁵
atto- 1000⁻⁶
zepto- 1000⁻⁷
yocto- 1000⁻⁸

Enjoy!

John W2AGN

Date: Fri, 02 May 2003 18:58:53 -0400
From: VE3JC John Cumming <jbcumming@wwdc.com>
To: wa8mcq@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149876] HW-8... Some mods just make you chuckle ...
Message-ID: <3EB2F82D.1060508@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

As was recently mentioned, some interesting HW-8's show up on Ebay.

But today I saw a mod that I'm sure was not in the HW-8 handbook !

Check out the rack-mount handles on this baby:

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3022017560&category=4674>

I'm thinking it needs casters, too!

Good weekend to all.

72, VE3JC

		VE3JC John Cumming
Q		London, ON CANADA
/\		jbcumming@wwdc.com
@` /<-----		hf qrp cw bicycle mobile
(*) \(*)		http://www.geocities.com/ve3jc/

Date: Fri, 02 May 2003 02:33:57 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [149877] Do you know what this is?
Message-ID: <3EB21155.500A375E@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi there,

I have here a device made by Apelco (Model 2 T) and I'm hoping someone on here could help me identify what it is. I found it at a yard sale and the person selling it said he thought it was an antenna tuner. To me it looks more like a filter as it has a series LC circuit to ground at the output and before that, in series with the input, a parallel LC circuit. Below I put two links to pictures of this device:

<http://www.kr1st.com/apelco1.jpg>

<http://www.kr1st.com/apelco2.jpg>

It would be great if someone could give me a hint on what this thing actually was used for.

73,
--Alex KR1ST

Date: Fri, 02 May 2003 19:21:18 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: listmember@comcast.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149878] Re: source for small coaxial DC supply connectors
Message-ID: <3EB2FD6E.C7C2848E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

www.Hosfelt.com has an assortment of plugs and jacks at a reasonable cost..

A satisfied customer..

Jerry
W3CDE

listmember wrote:

>
> Most of us use coaxial connectors from RS. Somehow I've ended up with 3
> different sizes for my gear, when
>
> -- One Size Fits All --
>
> or at least most.
> To me that means it doesn't have to fit the smallest Altoids tin. It means
> it will work for most QRP rigs.
> We need to track down a supply of adequate connectors for QRP and group buy
> 'em. There aren't that many suppliers these days. Perhaps Mouser?
>
> -- After Dayton! --
>
> 72
> Hap, WA3PTG
> Wilmington DE
>
> ----- Original Message -----
> From: <brewerj@squared.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, May 02, 2003 13:49
> Subject: source for small coaxial DC supply connectors
>
> > I'm looking for a mail order place to buy a dozen or two of the small
> barell type coaxial
> > power connectors used on most QRP gear. I'm getting tired of paying
> > Radio Shack prices for them.
> >
> > Anyone have a good source for them at reasonable prices. Have checked All
> Electronics

> > and Electronic Goldmine without success.
> >
> > Need male and female versions of this connector
> >
> > Thanks!
> > John
> >
> >

Date: Fri, 02 May 2003 19:22:34 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: stras@utias.toronto.edu,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149879] Re: Unobtainium-plated connectors?
Message-ID: <5.2.1.1.2.20030502191751.00a2aec0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Luke, I trust then you are all TOO familiar with kits like these?

http://www.mrr.com/parts/cable_connectors.shtml

http://www.elexp.com/con_5698.htm

They do come in handy but as you say you can end up with some very odd connector chains even so...

Cheers!

Dave
WA4EMR

At 06:07 PM 5/2/03 -0400, Luke Stras wrote:

>On Thu, May 01, 2003 at 03:56:48PM -0400, Luke Stras wrote:

>[I wanted bulkhead-mounted N F-to-F connectors, and 50-to-75 Ohm N adapters]

>

>Thanks to everyone for their replies and suggestions. We [that's not
>the royal we; it's me and the other engineer here] sat down today and
>looked at our options, and decided what we needed to buy. The final
>decision was to buy a power splitter for our Yagis, which eliminates the
>need for the 50-to-75 adapters. As for the bulkhead connectors, we
>figured out that there might be a way to get them locally; all else

>failing, we should be able to just use a regular F-to-F barrel, with a
>couple of nuts and some silicone caulking for sealing.
>
>To answer Dean, NR2V's question of "why N?": parts commonality.
>*Everything* here is either N or SMA, which makes it really easy to swap
>out, say, a suspect cable, as we have umpteen different N and SMA patch
>cords lying around. For the few pieces of equipment which we have that
>aren't these connectors (typically UHF or MMCX), it's always a hassle to
>find the right kind of adapter.
>
>Mind you, we can still get some pretty weird adapter chains:
>
>Radio (MMCX) -> SMA patch cord -> SMA-N adapter -> attenuator -> N-SMA
>adapter -> attenuator -> SMA-N adapter -> spectrum analyzer
>
>was one that I remember...
>
>Again, thanks for the help.
>
>--
>Luke Stras <stras@utias.toronto.edu>
>"The meek can have the Earth; the rest of us have other plans"
> --Henry Spencer

Date: Fri, 02 May 2003 23:53:33 GMT
From: psschwarz@kellnet.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149880] Re: names of decimals between micro, pico and nano?
Message-ID: <20030502235333.11509.qmail@mail.kellnet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brad Hernlem writes:

> Tracy Markham (n4lgh@waveguide.us) wonders:
>
>> Hey guys -
>
>> The handbook shows the names of the popular decimals - centi, milli,
>> micro, pico ...
>
>> BUT there's two decimals between micro and milli, and between micro and
>> pico, etc.
>

>> Where can one find the names, if they've ever been given, of the odd
>> decimals?
>
>> deci .1
>> centi .01
>> milli .001
>> ?? .0001
>> ?? .00001
>> micro .000001
>> ?? .0000001
>> ?? .00000001
>> etc
>
>> I don't have any real reason for needing this - just curiosity. IS >there
>> a name for these unidentified decimals??
>
> To my knowledge, after milli it all goes by threes but you did forget
> nano between micro and pico. Further out is fempto and atto.
>
> Brad KG6IOE

nano = 0.000000001 (^-9)
angstrom = 0.0000000001 (^-10)
femto = 0.000000000000001 (^-15)
dunno between micro and milli or between ^-11 and ^-14

Patrick...KB8RTZ...

Date: Fri, 2 May 2003 17:09:34 -0700
From: Roger Traylor <traylor@ece.orst.edu>
To: qrp-1@lehigh.edu
Subject: [149881] teflon coax source
Message-ID: <20030503000934.GA18292@brilthor.ECE.ORST.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang,
Does anybody know of a source for a RG-174 or
RG-58 teflon coax?

Thanks,
Roger Traylor
WB4TPW

Date: Fri, 2 May 2003 19:19:42 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149882] items FS
Message-ID: <003101c3111a\$7b33cc80\$d0811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

the following items have been spoken for...1.the FT7...2.the tick
keyer...3....the audio filter. I still have the SMK1 and a BLT both built
and working \$50.00 shipped USA...I still have the wilderness Sierra with 6
band modules \$275.00 plus shipping USA...Thanks John KF7OM

Date: Fri, 02 May 2003 13:37:57 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: qrp-l@lehigh.edu
Subject: [149883] WTB Rainbow Tuner Enclosure
Message-ID: <1752099.1051907877586.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Looking for Doug Hauff aluminum enclosure for the Rainbow Tuner.

Please reply off list.

TNX-

Less = More
<http://www.qsl.net/wb6dwd/>
RM-40/30/20
QRP-L #2482

GO.com Mail
Get Your Free, Private E-mail at <http://mail.go.com>

Date: Sat, 3 May 2003 02:49:45 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [149884] WHERE IS
Message-ID: <20030502.195032.17581.336804@webmail05.lax.unttd.com>
Content-Type: text/plain

RA9.... LOCATED....CAN'T FIND IT

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 3 May 2003 04:12:22 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [149885] THANKS FOR "WHARE HE BEES"
Message-ID: <20030502.211253.569.173506@webmail06.lax.unttd.com>
Content-Type: text/plain

i WORKED A RA9YU AND UR5HAC
THE BEAM IS POINTED SW SO LONG PATH OR BACK OF THE ANTENNA....
GOTTA PUT THOSE RELAYS IN THIS ANT...
THANKS GUYS...
JOEL

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Fri, 2 May 2003 22:46:47 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [149886] Re: teflon coax source
Message-ID: <20030503054647.GA10448@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, May 02, 2003 at 05:09:34PM -0700, Roger Traylor wrote:

> Gang,
> Does anybody know of a source for a RG-174 or
> RG-58 teflon coax?

RG-400 is similar to RG-58 with teflon dielectric and double silver-plated shields. It is nearly identical to RG-142, except with a stranded center conductor instead of copperweld. Smaller teflon cables include RG-178, RG-179 and RG-316. I recall that 178 and 179 are fairly close in diameter to 174, but I don't have the dimensions. 316 is somewhat larger than 174.

Try the Wireman or Cable Xperts.

Bob, N7XY

Date: Sat, 3 May 2003 0:55:33 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>,
"Tom Palmer" <n1tp@swfla.rr.com>,
Subject: [149887] Summer FOX Soon
Message-ID: <4120035635553336@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Here is the first notice for the upcoming 20 Metre Summer FOX season. Sorry about the delay, but this is a tough year. Anyway!

The basic data is sketched out below. Please watch for the web page which will have all the details including FOX and hounds results.

Note that all hunts will be late Sunday afternoons. There will be two outings per Sunday, for a total of 10 weeks. The Sunday following the July

4th holiday will be a BYE.

Dates: May 25, June 1, June 8, June 15, June 22, June 29
----- BYE on July 6 -----
July 13, July 20, July 27, August 3

An experiment = Each hunt this summer will last only 90 minutes. This will be re-evaluated for the winter hunt.

Hunts will run from 2200-2330Z each Sunday. This sked will not work for everyone, but the survey revealed that it is the best we can do. Frankly, a bigger concern will be propagation (fingers crossed here!).

Am already at work on the FOXes. This list will be published on the upcoming web page ASAP.

For now....tune up those antennas and rigs, break out the headphones, and get ready for some FOX hunting fun. Won't be long now! Oh by the way, please pass the word that all QRPers are invited. The more the merrier!

73,

--Doc/K0EVZ

for the FOX Committee: Tom N1TP, Marshall N1FN, Bruce VE5RC
and Chuck Adams K7QO

Date: Sat, 3 May 2003 0:55:35 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [149888] FOX Survey Results
Message-ID: <41200356355535229@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Here are the results of the mini-survey conducted recently on QRP-L. The purpose was to find the best day of the week for the upcoming Summer FOX season. Thanks to all who took time to respond.

Below are the results of this survey:

#replies	Sun	Thur	Either	Neither	No Opinion
22T	14	2	1	1	4

Under "Neither" and "No Opinion" were suggestions to consider moving the hunt either to 80 Metres (1 responder) or to 30 Metres (1 responder).

Bottom Line = The hunt will again be on 20 Metres, clearly the best choice during the summer months. Hopefully we will not be plagued by CME's and other propagation challenges like in past summers.

Hunts will be held on 10 Sunday afternoons, two per Sunday. The season will begin May 25 and conclude on August 3. Sunday July 6 will be a BYE, because of the July 4th (Independence Day) holiday in the USA on July 4.

NOTE = This summer each hunt will last 90 minutes. Hours will be 2200-2330Z. This shorter time frame will be re-evaluated before the winter season.

ASAP there will also be a web page will contain pertinent information. Am already working on the FOX list!

73,

--Doc/K0EVZ

for the FOX Committee: Bruce VE5RC, Tom N1TP, Marshall N1FN
and Chuck Adams K7Q0

Date: Sat, 03 May 2003 08:26:14 -0400
From: Jason Hisson <jhisson1@columbus.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149889] Shameless Plug... Verticals Article
Message-ID: <3EB3B566.3070207@columbus.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi guys,

A while back, I was asking questions about verticals. With your assistance I was able to install a vertical that performs quite well for me. Wanted to share the article with the list in case any of you are considering a vertical:

<http://www.eham.net/articles/5225>

It details the installation and performance of the vertical with links to audio files comparing the antennas.

72/73 guys..

Jason Hissong
N8XE

Date: Sat, 3 May 2003 12:38:00 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: kr1st@amsat.org
Cc: qrp-l@Lehigh.EDU
Subject: [149890] Re: Do you know what this is?
Message-ID: <20030503.053802.517.61615@webmail07.lax.unttd.com>
Content-Type: text/plain

It looks like a lightneing arrestor for a long wire antenna. (fuse).

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN
ARCI_11325 * ARS_1392 * SOC_538

--- Alex <kr1st@amsat.org> wrote:

Hi there,

I have here a device made by Apelco (Model 2 T) and I'm hoping someone on here could help me identify what it is. I found it at a yard sale and the person selling it said he thought it was an antenna tuner. To me it looks more like a filter as it has a series LC circuit to ground at the output and before that, in series with the input, a parallel LC circuit. Below I put two links to pictures of this device:

<http://www.kr1st.com/apelco1.jpg>

<http://www.kr1st.com/apelco2.jpg>

It would be great if someone could give me a hint on what this thing actually was used for.

73,

--Alex KR1ST

Date: Sat, 3 May 2003 10:23:25 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: <w5kdj@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149891] Re: Do you know what this is?
Message-ID: <001501c3117f\$8fa3c7a0\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The circuit you described should result in a notch-type filter response.
Perhaps it was meant to be a trap of some sort.

73,
Russ Hines
WB8ZCC

----- Original Message -----
From: "Wayne_W5KDJ" <w5kdj@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, May 03, 2003 8:38 AM
Subject: Re: Do you know what this is?

>
> It looks like a lightneing arrestor for a long wire antenna. (fuse).
>
>
> Wayne_W5KDJ
> NW Houston
> SV0WWW_TF2WJN
> ARCI_11325 * ARS_1392 * SOC_538
>
> --- Alex <kr1st@amsat.org> wrote:
>
> Hi there,
>
> I have here a device made by Apelco (Model 2 T) and I'm hoping someone
> on here could help me identify what it is. I found it at a yard sale and
> the person selling it said he thought it was an antenna tuner. To me it
> looks more like a filter as it has a series LC circuit to ground at the
> output and before that, in series with the input, a parallel LC circuit.

> Below I put two links to pictures of this device:
>
> <http://www.kr1st.com/apelco1.jpg>
>
> <http://www.kr1st.com/apelco2.jpg>
>
> It would be great if someone could give me a hint on what this thing
> actually was used for.
>
> 73,
> --Alex KR1ST
>
>

Date: Sat, 3 May 2003 08:15:36 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149892] items FS
Message-ID: <004401c31186\$d98619c0\$74811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Wilderness Sierra is spoken for Thanks to all who replied...John

Date: Sat, 3 May 2003 08:24:27 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149893] SMK1 and BLT FS
Message-ID: <005401c31188\$161f4b80\$74811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

nicely built,working \$45.00 both shipped USA...BLT kit new unbuilt \$25.00
shipped USA Thanks John KF70M

Date: Sat, 3 May 2003 11:32:06 -0400
From: "Donn Kuse" <casey.jay@verizon.net>
To: "Amateur Radio low power" <qrp-L@lehigh.edu>
Subject: [149894] Inv V
Message-ID: <003d01c31189\$28eb8020\$0d1ad443@D5DP1021>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have an antenna question. We're about to purchase a new home with a 60-75' TV tower already on the property. I want to install a multi-band Inv V (at least 10-80M) and want to know how to attach the apex to the tower? And how high up should I go? I understand W9INN antennas are about the best. Thanks for you input, in advance.
72/73 Donn, WB4ZWT
68 and still learning

Date: Sat, 03 May 2003 11:54:39 -0400
From: "William D. Rugg, Jr." <bill.rugg@comcast.net>
To: hamjoel@juno.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149895] Re: WHERE IS
Message-ID: <002901c3118c\$4de8c560\$6401a8c0@eatntn01.nj.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

hi, joel,

hope the weather is a little warmer today. what part of maine?

i ran accross this page that might shed some light on the location of the RA9. give it a try: <http://www.cpcug.org/user/wfeidt/Cis/russia.html>

also try <http://www.cpcug.org/user/wfeidt/Cis/> which is the default page for the site.

take care,
bill K2RXQ
~~~~~ \_\_\_/ ) ~~~~~

-----  
Date: Sat, 03 May 2003 12:16:00 -0400  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: jbcumming@wwdc.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [149896] Re: HW-8... Some mods just make you chuckle ...  
Message-ID: <3EB3EB40.12027891@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It's a nearly complete project. The purchaser just need to paint the handles black and front panel gray, then mount into a 19" rack panel and install onboard a Navy vessel.

Al, K2ZN

VE3JC John Cumming wrote:

>  
> As was recently mentioned, some interesting HW-8's show up on Ebay.  
>  
> But today I saw a mod that I'm sure was not in the HW-8 handbook !  
>  
> Check out the rack-mount handles on this baby:  
>  
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3022017560&category=4674>  
>  
> I'm thinking it needs casters, too!  
>  
> Good weekend to all.  
>  
> 72, VE3JC  
>  
>                   |       VE3JC John Cumming  
>       Q           |       London, ON CANADA  
>       /\          |       jbcumming@wwdc.com  
>       @' /<-----   hf qrp cw bicycle mobile  
>       (\*) \(\*)       http://www.geocities.com/ve3jc/

-----  
Date: Sat, 3 May 2003 19:20:09 +0200  
From: Andree.Knott@t-online.de (Andree Knott)  
To: qrp-1@lehigh.edu

Subject: [149897] multiturn potentiometers with 20 turns?  
Message-ID: <19C0gD-0TMeoAC@fwd03.sul.t-online.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8BIT

Hi folks,

I was looking for multiturn potentiometers. One ham (Dieter Gentzow W8DIZ Loveland, Ohio) sent a positive answer. I was very happy! But I found that all of direct my answers were reflected as "undeliverable". Perhaps someone knows Dieter and has the chance to tell him about this communication problems.

Dear Dieter, please tell me an alternative address that I can send an answer.

My deepest excuse to all about this "strange way" of communication.

With greetings from Kiel at the baltic coast of Germany

Andre Knott  
DD3LY

-----  
Date: Sat, 3 May 2003 10:30:21 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [149898] Re: Do you know what this is?  
Message-ID: <MABBJOEABOILMKCJCLFCCEFKEFAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Alex  
It looks to me like a harmonic trap.  
The parallel circuit is to stop the  
undesired harmonic, and the series  
trap to ground is to shunt the  
undesired harmonic to ground.  
You would have to use a dip meter  
to see what freqs they are for.  
Or a noise generator through the  
trap to a general coverage receiver.  
73, Bob N6WG

Date: Sat, 3 May 2003 12:37:7 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "Tom Palmer" <n1tp@swfla.rr.com>,  
"Bruce Rattray " <rattray@gpfn.sk.ca>,  
Subject: [149899] Call for FOX Volunteers  
Message-ID: <41200356317377475@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

This is the first call for Summer 2003 FOXes. Here are the particulars:

Looking for 10 QRPers to serve as Summer FOXes. The dual hunts during the summer season will be short--90 minutes--so the FOXes will likely have to work really fast! All hunts will be on 20 Metres late Sunday pm 2200-2330Z.

The season will begin May 25 and end August 3. Our BYE week will be Sunday July 6, following the July 4th holiday in the USA.

If YOU would like to be considered, please complete the following form. Return it to me NLT than 1800Z Tuesday, May 6, 2003. Note that we often have more applicants than can be selected. So there is a chance that you will not be chosen. Also, we try to schedule the hunts all across the USA.

Once the selection has been made, each successful candidate will be individually notified. We will have several Reserve FOXes also, just in case. I sometimes fill in as a Reserve when needed.

----- SNIP -----

Call =

Name =

Address =

Phone # (incl Area Code) =

Time Zone (USA) =

What previous experience do \*you\* have serving as a FOX? (include all actual dates served) =

What experience have you had as a FOX hunter (dates are helpful)?

Please describe your proposed FOX station. Guidelines call for full 5 watts to good antennas =

Why do you want to serve as a FOX this summer?

What dates--if any--could you not possibly serve?

----- SNIP -----

Again, all are welcome to apply. Please observe the deadline of May 6, 2003, NLT 1800Z.

73,

--Doc/K0EVZ for the FOX Committee = Bruce VE5RC, Tom Palmer N1TP,  
Marshall N1FN, and Chuck Adams K7OQ

-----

Date: Sat, 3 May 2003 11:32:42 -0700  
From: "KXBill" <w7kxb@cox.net>  
To: <dock0evz@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [149900] Re: Summer FOX Soon  
Message-ID: <009901c311a2\$6246ff20\$25ac6d44@ph.cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

KN4LF 7 Day HF/MF Radio Propagation Outlook #2003-18

"As we continue to move towards Northern Hemisphere Summer, critical frequencies will continue be lower with skip distances longer. This means that the highest bands will not be open as often but the higher frequencies will stay open longer into the evening hours."

Which means, at least it has in the past, that 20m will be OK and we'll all have Phun.

Later

Bill/w7kxb

----- Original Message -----

From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, May 02, 2003 22:55  
Subject: Summer FOX Soon

Gang:

Here is the first notice for the upcoming 20 Metre Summer FOX season. Sorry about the delay, but this is a tough year. Anyway!



The basic data is sketched out below. Please watch for the web page which will have all the details including FOX and hounds results.

Note that all hunts will be late Sunday afternoons. There will be two outings per Sunday, for a total of 10 weeks. The Sunday following the July 4th holiday will be a BYE.

Dates: May 25, June 1, June 8, June 15, June 22, June 29  
----- BYE on July 6 -----  
July 13, July 20, July 27, August 3

An experiment = Each hunt this summer will last only 90 minutes. This will be re-evaluated for the winter hunt.

Hunts will run from 2200-2330Z each Sunday. This sked will not work for everyone, but the survey revealed that it is the best we can do. Frankly, a bigger concern will be propagation (fingers crossed here!).

Am already at work on the FOXes. This list will be published on the upcoming web page ASAP.

For now....tune up those antennas and rigs, break out the headphones, and get ready for some FOX hunting fun. Won't be long now! Oh by the way, please pass the word that all QRPers are invited. The more the merrier!

73,

--Doc/K0EVZ

for the FOX Committee: Tom N1TP, Marshall N1FN, Bruce VE5RC  
and Chuck Adams K7QO

-----  
Date: Sat, 03 May 2003 14:31:08 -0400  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: qrp-l@lehigh.edu  
Subject: [149901] OT: Butternut HF6V question  
Message-ID: <3EB40AEC.E05421CC@rochester.rr.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm in the process of resurrecting my old vertical for use as a back-up. Does anyone know how long the 20m RG-11 matching section is supposed to be? None of the documentation I have states the length.

Tnx - Al, K2ZN

-----  
Date: Thu, 01 May 2003 15:22:45 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: hamjoel@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [149902] Re: WHERE IS  
Message-ID: <3EB17405.B86A9E3B@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

RA9 is the old Asiatic Russia. Same as UA9. Not an especially long haul over the pole, off the backside of your antenna. Nice but fairly easy to work.

73

-----  
Date: Sat, 3 May 2003 14:23:46 -0600  
From: "Steve/n0tu" <n0tu@codenet.net>  
To: <K2UD@adelphia.net>  
Cc: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [149903] Re: AT Sprint arrived!  
Message-ID: <009601c311b1\$e74099c0\$6a211d82@agilent.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mine too! Same slit in the end taped up.  
I bet Steve forgot the addendum sheet and added it after sealing the pouches. (just a guess?)

Great looking PCB But man, those pads sure look small especially the fine pitch ones in the center of the board!  
(Yikes) #3 reading glass here I come. I'll snap a few pics and post 'em

later.

Steve/n0tu

----- Original Message -----

From: "Howard Kraus" <K2UD@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, May 02, 2003 1:50 PM

Subject: AT Sprint arrived!

> It's in my hot little greedies right now. Yippee! After the happy dance,  
> I'll check for all parts and take my time building whilst simultaneously  
> torturing my eyes.

>

> Mine looks like it may have been opened and taped closed by the Post  
> Orifice. Steve? It looks like the type of Jiffylite mailer that  
> self-closes but it appears mine might have been cut open before it was  
> taped. Have three parts bags, PCBs, and paperwork, will check for  
anything

> missing. The anthrax was left out.

>

> Guys, this thing looks impressive. Didja get one?

>

> 72

>

> Howard Kraus, K2UD

>

>

-----  
Date: Sat, 3 May 2003 13:46:37 -0700

From: "Dave Martin" <k2zu@seanet.com>

To: "qrp-1" <qrp-1@Lehigh.EDU>

Subject: [149904] WTB K1

Message-ID: <000501c311b5\$18648720\$1c8c2640@davemartin>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone have a late serial number K1 they would like to part with? Hoping to  
find one with the auto tuner installed. Thanks and 73.

Dave K2ZU

-----  
Date: Sat, 3 May 2003 17:17:24 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU  
Subject: [149905] Ferrite rod material ?  
Message-ID: <20030503.171725.8934.1.kc8aon@juno.com>

Anyone know what material mix is used in the ferrite rods that are used in AM broadcast receivers ? I'm experimenting with them in baluns and inductors for use in small antenna tuners (or transmatches for the picky).

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX  
<> RockMite 40 <>  
QRP-L #2112, FPqrp #33, AR QRP #269  
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Sat, 03 May 2003 18:00:51 -0400  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: kc8aon@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [149906] Re: Ferrite rod material ?  
Message-ID: <3EB43C13.7DAF6678@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rick

I believe it's typically 850u, type 43 material.

Al, K2ZN

Rick McKee wrote:

>  
> Anyone know what material mix is used in the ferrite rods that are used  
> in AM broadcast receivers ? I'm experimenting with them in baluns and

> inductors for use in small antenna tuners (or transmatches for the  
> picky).  
>  
> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
> SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX  
> <> RockMite 40 <>  
> QRP-L #2112, FPqrp #33, AR QRP #269  
> QRP'ers DEPEND ON SKILL - NOT RAW POWER !  
>  
>  
> -----  
> The best thing to hit the internet in years - Juno SpeedBand!  
> Surf the web up to FIVE TIMES FASTER!  
> Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Sat, 3 May 2003 18:04:42 -0400  
From: "Joe W2KJ" <[w2kj@bellsouth.net](mailto:w2kj@bellsouth.net)>  
To: "qrp-l" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [149907] F.S. TenTec Argonaut II  
Message-ID: <003401c311c0\$0090f9c0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

I Hate to do this but I have too many QRP rigs here and need  
to thin things out a bit so I am putting up for sale my  
Argonaut II.

This radio is in collector/museum condition with a scratch,  
ding, dent or imperfection of any kind.

I installed a new TenTec backlight with 50,000 hours MTBF and  
it works like a charm.

The radio covers 160m thru 10m and works perfectly.

Comes with mating power supply and manual.

Will sell for \$650 plus shipping.

73, Joe W2KJ

-----  
Date: Sat, 3 May 2003 15:30:59 -0700  
From: "john gabbard" <johngabbard@usintouch.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [149908] mercury whetted relays 12v.dc  
Message-ID: <002f01c311c3\$ac3d76b0\$4a861c0c@john>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used one of these in an HW8 to replace the keying relay, and it was amazingly quiet and worked very well...they are of high quality about 11/4" long x 3/8"W. I have three of them and I will sell them for \$6.00 Ea. shipping incl.USA Thanks John KF70M

-----  
Date: Sat, 3 May 2003 16:37:12 -0600  
From: "Steve/n0tu" <n0tu@codenet.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Cc: "Rich" <clseng@gte.net>  
Subject: [149909] Sprint AT PCB pic  
Message-ID: <011101c311c4\$8ae595f0\$6a211d82@agilent.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Steve did an excellent job on this ultra light weight rig.  
Here's the PCB which fits into a std Altoids tin!  
<http://users.codenet.net/n0tu/images/QRP/ATSprintPCB.jpg>  
Darn it stinks getting old  
..."Now, where's did I use the magnifier headset last???"  
Steve/n0tu

-----  
Date: Sat, 03 May 2003 18:46:30 -0400  
From: listmember <listmember@comcast.net>  
To: k2zn@rochester.rr.com,  
      Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [149910] Re: HW-8... Some mods just make you chuckle ...  
Message-ID: <002001c311c5\$d72c2590\$2600a8c0@GALAXY>

MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Yeah, it's been converted to tubes. The outboard power supply weighs 35 pounds. You have to supply your own generator for portable operation.

If anyone else would like to make this mod, I have the handles from an old Radio Shack "battery-charger" cabinet they sold some years ago.  
I have some old tubes around here too....

72  
Hap, WA3PTG  
Wilmington DE

----- Original Message -----

From: "Al Scanandoah" <k2zn@rochester.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, May 03, 2003 12:16  
Subject: Re: HW-8... Some mods just make you chuckle ...

> It's a nearly complete project. The purchaser just need to paint the  
> handles black and front panel gray, then mount into a 19" rack panel and  
> install onboard a Navy vessel.  
>  
> Al, K2ZN  
>  
> VE3JC John Cumming wrote:  
> >  
> > As was recently mentioned, some interesting HW-8's show up on Ebay.  
> >  
> > But today I saw a mod that I'm sure was not in the HW-8 handbook !  
> >  
> > Check out the rack-mount handles on this baby:  
> >  
> >  
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3022017560&category=4674>  
> >  
> > I'm thinking it needs casters, too!  
> >  
> > Good weekend to all.  
> >  
> > 72, VE3JC  
> >  
> > | VE3JC John Cumming  
> > Q | London, ON CANADA  
> > /\ | jbcumming@wwdc.com

> > @` /<----- hf qrp cw bicycle mobile  
> > (\*) \(\*) http://www.geocities.com/ve3jc/

-----

End of QRP-L Digest 2909

\*\*\*\*\*

-----